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August 30, 1948

U. S. Atomic Energy Commission Warehouse
U. S. Naval Supply Depot
Building 502, D and 3rd Streets
Scotia, New York

Attention: Mr. J. S. Evans

Subject: NEUTRON SOURCES PB-115 AND PB-119

Dear Mr. Evans:

The specifications of Source PB-118 are:

1. Type of source - Postum-Beryllium.
2. Weight of target material - 0.4 gram.
3. Container material - Stainless steel.
4. Dimensions of container - 2.53" x 0.27" O.D. and 2.12" x 0.13" I.D.
5. Method of sealing - Coated with nickel.
6. Cases of postum - 5.56 cases on 8/27/48.
7. Neutron tolerance distance in air - 32 inches for 8 hours exposure in 24 hours (based on tolerance of 150 n/sec./cm.²).

The specifications of source PB-119 are:

1. Type of source - Postum-Beryllium.
2. Weight of target material - 0.4 gram.
3. Container material - Stainless steel.
4. Dimensions of container - 2.53" x 0.27" O.D. and 2.12" x 0.13" I.D.
5. Method of sealing Coated with nickel.
6. Cases of postum - 6.51 on 8/27/48.
7. Neutron tolerance distance in air - 34 inches for 8 hours in 24 hours (based on tolerance of 150 n/sec./cm.²).

The shipping container is a 55 gallon steel drum containing water-borax solution and furnishes protection from neutrons within tolerance limits for 8 hours.

The sources may be removed from the pipe in the top, center of the drum by unscrewing the cap, lifting the paraffin-filled tube by the wire loop provided, then the sources by the strings tagged PB-118 and PB-119. Inverting the holders will free the sources.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1st Review - Date: <u>6/6/91</u>	Determination (Circle Number(s))
Authority: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> SKDD	1. Classification Retained
Name: <u>en J. Evans</u>	2. Classification Changed To:
2nd Review - Date: <u>12/12/99</u>	3. Contains No DOE Classified Information
Authority: <input type="checkbox"/> ADD <input checked="" type="checkbox"/> CG	4. Coordinate With:
Name: <u>W. Johnson</u> <u>CG-DAR-2 8/98</u>	5. Classification Cancelled
	6. Classified Information Bracketed
	7. Other (Specify):

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MATERIALS - 3 - 1

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